

Mattia D'Urso

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github.com/mattiadurso
Main languages: Python, R, \LaTeX

Interests: Deep Learning, Computer Vision,
Data Science.

Education

- Oct 2020 – Oct 2022 **Master of Science in Artificial Intelligence and Cybersecurity**,
major in Artificial Intelligence, University of Studies of Udine (Italy) and Alpen-Adria-Universität of Klagenfurt (Austria).
Current GPA: 28.0/30
- **Relevant courses:** Foundation of Neural Networks, Deep Learning, Advanced Data Science, Complexity and Information Theory, Applied Statistics and Data Analysis.
- Oct 2017 – Oct 2020 **Bachelor of Science in Internet of Things, BigData & Web**,
University of Studies of Udine (Italy).

Experiences

- Mar 2021 – Today **Computer Vision Engineer Intern**, at *Artificial Vision and Real-Time Systems (AViReS) Lab*, under supervision of Prof. Gian Luca Foresti (president of the Italian Association for Research in Computer Vision, Pattern recognition and Machine Learning) and in collaboration with the European Defence Agency (EDA), the European Union, the Italian Ministry for the University and Research (MIUR), the Italian Ministry for Defence (MoD).
- Jul 2020 – Sep 2020 **Deep Learning Engineer Intern**, at *Department of Mathematics, Computer Science and Physics of University of Studies of Udine (DMIF)*, under supervision of Prof. Claudio Piciarelli and Prof. Marino Miculan.

Projects

- Jul 2020 – Sep 2020 **Bachelor Thesis**, *Classification of web users by shallow inspection of packets and Deep Learning techniques*.
- **Optimized** our supervised deep learning model with **Pytorch** for de-anonimization of web users on a dataset of 6M+ of TCP/IP packets and 150+ users.
 - **Increased** the accuracy of the model by **42%** by hyperparameters fine tuning.
 - **Developed** a model which is able to classify IP packets in 90 different classes.
Code is available [here](#).
- date – date **Something**, *[insert here a cool title]*.
- **Optimized**
 - **Increased**
 - **Developed**
- Code is available [here](#).
- Jan 2021 **Data Analysis**, *An analysis of some dystopian novels*.
- **Performed** Text Mining analysis, Sentiment analysis and Topic Modeling on unstructured text.
 - **Developed** a graphical presentation.
The presentation is available [here](#).

Leadership and Awards

- Jan 2018 – Today **Freelance photographer**, at *Davide Monti Studio* (associated with ANFM). I have worked in many events such as weddings and corporate events alone and as a team.
- Oct 2020 – Oct 2022 **Master of Science program**, selected as one of 30 participants worldwide for the Double Degree Master program in *Artificial Intelligence and Cybersecurity*.
- Oct 2018 – Jun 2021 **Student representative**, reported to the Board of department and solved dozens of students problems of any kind.